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PTO/SB/50 (02-01)

Approved for use through 01/31/2004. OMB 0651-0033

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## REISSUE PATENT APPLICATION TRANSMITTAL

Address to:

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Attorney Docket No.

First Named Inventor

Allan S. Gengler

Original Patent Number

6,158,523

Original Patent Issue Date  
(Month/Day/Year)

12/12/2000

Express Mail Label No.

ET017963255US

## APPLICATION FOR REISSUE OF:

(Check applicable box)



Utility Patent



Design Patent



Plant Patent

## APPLICATION ELEMENTS (37 CFR 1.173)

1. ☒ Fee Transmittal Form (PTO/SB/56)  
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status. See 37 CFR 1.27.
3. ☒ Specification and Claims in double column copy of patent  
format (amended, if appropriate)
4. ☒ Drawing(s) (proposed amendments, if appropriate)
5. ☒ Reissue Oath/Declaration (original or copy)  
(37 C.F.R. § 1.175) (PTO/SB/51 or 52)
6. ☒ Power of Attorney
7. Original U.S. Patent currently assigned? ☒ Yes ☐ No  
(If Yes, check applicable box(es))
  - ☒ Written Consent of all Assignees (PTO/SB/53)
  - ☒ 37 C.F.R. § 3.73(b) Statement  
(PTO/SB/96)
8. ☐ CD-ROM or CD-R in duplicate, Computer Program (Appendix)  
or large table
9. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all of the following are necessary)
  - a. ☐ Computer Readable Form (CFR)
  - b. Specification Sequence Listing on:
    - i ☐ CD-ROM (2 copies) or CD-R (2 copies); or
    - ii ☐ paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

10. ☒ Statement of status and support for all changes  
to the claims. See 37 CFR 1.173 (c).
11. ☐ Original U.S. Patent for surrender
  - ☐ Ribbioned Original Patent Grant
  - ☐ Statement of Loss (PTO/SB/55)
12. ☐ Foreign Priority Claim (35 U.S.C. 119)  
(if applicable)
13. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS  
Citations
14. ☐ English Translation of Reissue Oath/Declaration  
(if applicable)
15. ☒ Preliminary Amendment
16. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
17. Other: .....

## 18. CORRESPONDENCE ADDRESS



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Mark L. Kleypas

Registration No. (Attorney/Agent)

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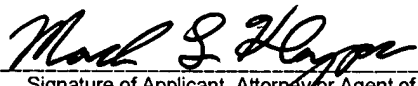
Mark L. Kleypas

Date

8/23/01

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REISSUE APPLICATION FEE TRANSMITTAL FORM						Docket Number (Optional)		
Claims as Filed - Part 1								
Claims in Patent		Number Filed in Reissue Application	(3) Number Extra	Small Entity		Other than a Small Entity		
				Rate	Fee	Rate	Fee	
(A) 37	Total Claims (37 CFR 1.16(j))	(B) 43	**** 6 =	x \$ _____ =	or	x \$ 18 =	108	
(C) 9	Independent claims (37 CFR 1.16(i))	(D) 10	* 1 =	x \$ _____ =		x \$ 80 =	80	
Basic Fee (37 CFR 1.16(h)) \$ _____							\$ 710 _____	
Total Filing Fee \$ _____						OR	\$ 898	
Claims as Amended - Part 2								
	(1) Claims Remaining After Amendment		(2) Highest Number Previously Paid For	(3) Extra Claims Present	Small Entity		Other than a Small Entity	
					Rate	Fee	Rate	Fee
Total Claims (37 CFR 1.16(j))	***	MINUS	**	* =	x \$ _____ =		x \$ _____ =	
Independent Claims (37 CFR 1.16(i))	***	MINUS	*****	=	x \$ _____ =		x \$ _____ =	
Total Additional Fee \$ _____						OR	\$ _____	
<p>* If the entry in (D) is less than the entry in (C), Write "0" in column 3.</p> <p>** If the "Highest Number of Total Claims Previously Paid For" is less than 20, Write "20" in this space.</p> <p>*** After any cancellation of claims.</p> <p>**** If "A" is greater than 20, use (B - A); if "A" is 20 or less, use (B - 20).</p> <p>***** "Highest Number of Independent Claims Previously Paid For" or Number of Independent Claims in Patent (C).</p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p><input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____. A duplicate copy of this sheet is enclosed.</p> <p><input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 or 1.17 which may be required, or credit any overpayment to Deposit Account No. <u>12-1660</u>. A duplicate copy of this sheet is enclosed.</p> <p><input checked="" type="checkbox"/> A check in the amount of \$ <u>898</u> to cover the filing / additional fee is enclosed.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p style="text-align: center;"><b>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</b></p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p><u>8/23/01</u> Date</p> </div> <div style="width: 45%; text-align: right;"> <p> Signature of Applicant, Attorney or Agent of Record</p> <p><u>Mark L. Kleypas</u> Typed or printed name</p> </div> </div>								

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION FOR REISSUE

STATEMENT OF STATUS OF CLAIMS AND

SUPPORT FOR ALL CHANGES TO THE CLAIMS UNDER 37 C.F.R. §1.173(c)

Applicant: Allan S. Gengler, et al.

Patent No.: 6,158,523

Date: August 23, 2001

Issued: December 12, 2000

Group Art Unit:

Exam:

For: AGRICULTURAL DISC MOUNTING SYSTEM AND METHOD

Commissioner for Patents  
Box: REISSUE  
Washington, D. C. 20231

Sir:

Status of Claims:

Claims 1-4 and 6-44 are pending. Of the pending claims, Claims 1-4 and 6-37 are the original patent claims and Claims 38-44 are new claims. Claim 5 is cancelled herein, and amendments are made to original Claims 1, 11, 16 and 21.

**Support for Changes to the Claims:**

Claim 1 is amended to include the limitations of Claim 5, and to thereby specify that the leaf spring used in the claimed disc mounting system is "generally U-shaped." Likewise, Claim 21 is amended to specify that the spring used in the claimed mounting method is "generally U-shaped." U-shaped springs are clearly shown in Figures 3-10 and described at column 5, lines 54-56; column 6, lines 58-64; and column 7, lines 11-15.

Claims 11 and 16 are amended to specify that only the front disc blades need be individually mounted to the implement using the claimed mounting system. An implement having the front disc blades individually mounted and the rear disc blades conventionally mounted in rigid disc gangs is shown in Fig. 1. and described at column 2, lines 36-40 and generally throughout the specification.

New Claim 38 is directed toward an implement having a gang of disc blades wherein each disc in the gang is individually mounted to the implement. Such an implement is shown in Figure 1 and discussed generally throughout the application, and in particular from column 5, line 2 to column 6, line 17.

Claim 39 depends from Claim 38 and specifies that the disc spindle is canted at an angle of from 3 to 13 degrees from horizontal. This feature is discussed at column 6, lines 15-17.

Claim 40 depends from Claim 38 and specifies that the spring is generally U-shaped. U-shaped springs are clearly shown in Figures 3-10 and described at column 5, lines 54-56; column 6, lines 58-64; and column 7, lines 11-15.

Claim 41 depends from Claim 38 and specifies that the implement has a second disc gang at an opposite end of the machine. Such an implement is shown in Figure 1 and discussed generally throughout the application, and in particular from column 5, line 2 to column 6, line 17.

Claim 42 depends from Claim 41 and adds the limitation that the implement includes ripper shanks mounted between the first and second disc gangs. Ripper shanks are shown in Fig. 1 and discussed at column 5, lines 23-41.

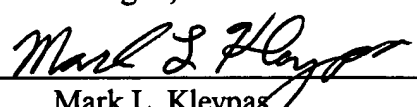
Claim 43 depends from Claim 38 and adds limitations specifying the orientation of the disc spindle relative to the spring lower leg. This orientation is shown in Figs. 5-8. In addition, the language is generally identical to language included in issued Claims 1 and 21.

Claim 44 depends from Claim 38 and adds the limitation that the closed end of the leaf spring is canted. This feature is shown in Figs. 5 and 6, and discussed at column 5, line 65 to column 6, line 3.

Respectfully submitted,

Allan S. Gengler, et al.

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